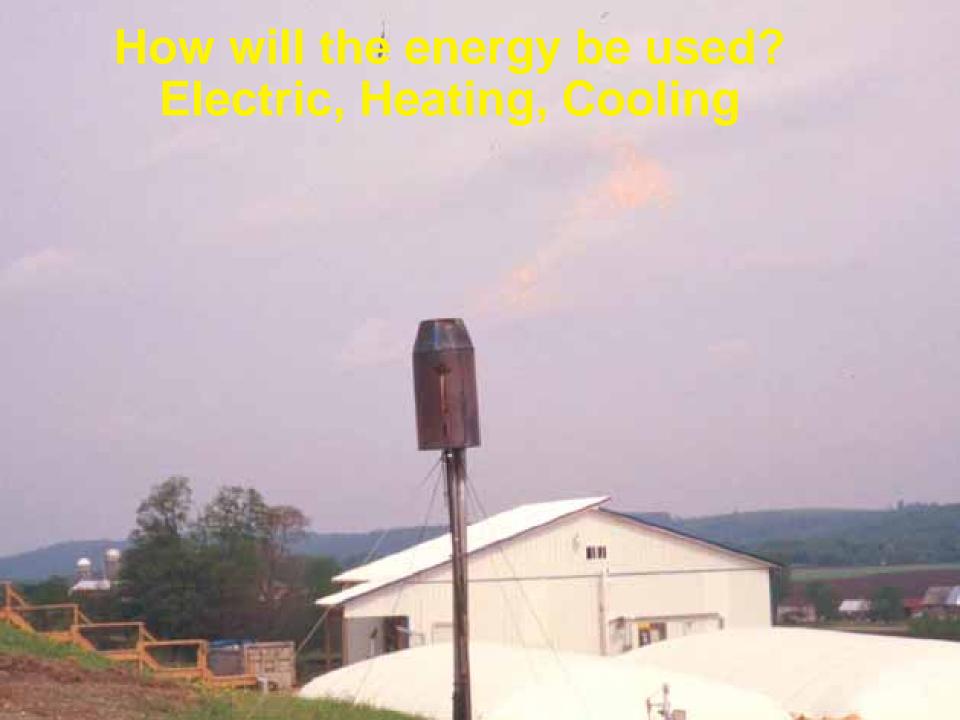
Farm Digester Completed



Presented by Ted Mathews, Anaerobic Digestion Manager



E³ BioFuels: A New Paradigm in Ethanol Production



The Closed-Loop System



Pictured: Ethanol refinery towers (front), an anaerobic digester (center), and the feedlot (back).

The Mead Feedlot



Old way of manure application





Anaerobic Digestion Technology



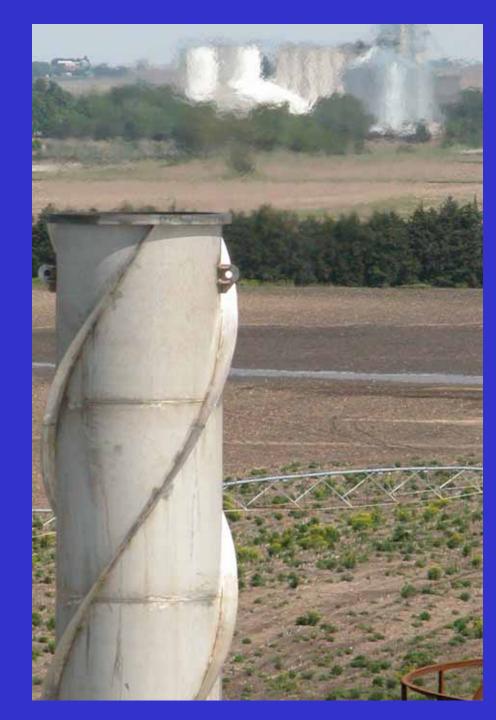
A view from the ethanol refinery of the anaerobic digesters, support systems, manure lagoon and feedlot.

Gas Skid



The Daily (Corn) Grind: Ethanol Refining

- Capacity production: 25 million gallon/year
- Refinery size determined by the Mead feedlot
- Linear expansions are possible –
 i.e., 50 million gallon ethanol plant
 with 60,000-head (equivalent)
 feedlot





Flare burn the excess gas

The Daily (Corn) Grind: Ethanol Refining







2 - 1200 hp Saskatoon Boilers



Wastes: After Digestion







Performance Assessment





- Start up
- What is built first and where?
- Production Goals
- Operations

